

Product datasheet for **MG215419**

Lcmt1 (NM_025304) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lcmt1 (NM_025304) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lcmt1
Synonyms:	AL033290; Lcmt; LCMT-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215419 representing NM_025304 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCCAGCTCGAGGGAGTCTCGTCTCTTCTGCTCGTCGAGCTGTGACTTGGACGACGAGGGAG
TGC GCGGCACCTGCGAAGATGCTTCTCTGCAAGAGGTTTGGCGTGAGCATTGGCTACTGGCATGATCC
GTACATCGAGCATCTTGAAGGCAGTCTAAAGAGAGGAAGGCCCCCGAAATTAACAGAGGATATTTTGCC
CGAGTTCATGGTGTGAGTCACTTATTAAGCTTTTCTCCGAAAGACAGAATGCCATTGCCAAATTTCTCA
ACCTTGGGGCTGGGATGGATACCACTTCTGAAATTAAGGATGAAGGCTTTCTCCAAATAAATATTT
TGAAGTCGACTTTCCAATGATAGTCACAAGAAAGCTGCTCACCATCAAAAGCAAGCCGCTTTTATTCAGA
CCCATCATGGAGTTACACCCAGAGGACACGCTTCAAATGGATAGTCACATGCTGGATTCAAAAAGATATG
CCATCATTGGAGCAGATCTCCGAGACCTTTCTGAGCTGGAAGAGAACTAAAGAAATGTAACATGAATAC
ACAATTGCCAACACTCCTGATAACTGAATGTGTGCTGGTTTACATGACTCCAGAGCAGTCAGCCAACCTC
CTGAAATGGGCAGCCAGCAGTCTTGGAGACAGCCATGTTTCATAAATATGAGCAGGTCAACATGGACGACC
GGTTTGGGCAGATCATGATTGAAAACCTCCGGAGGCGAAGTTGTGACCTGGCAGGAGTGGAAACCTGCAA
ATCACTGGAGTCCAGAAGGAACGGCTGCTGTTGAATGGTGGGAGACAGCGTCTGCAGTGAACATGATG
GAGCTGTACAGTGGGCTACCTCGGCAGAGGTAACAGAATAGAATCCCTCGAGTTCCTGGATGAGATGG
AGCTCCTGGAGCAGTCACTGCGCCATTACTGCCTGTGCTGGGCCACCCGCGGCCAGGAGCTTGTTT
GAAGGAGATAACCTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG215419 representing NM_025304
Red=Cloning site Green=Tags(s)

MASSSRESSFSSCSSCDLDDEGVRGTCEDASLCKRFVAVSIGYWHDPYIEHLVRQSKERKAPEINRGYFA
 RVHGVSQLIKAFLRKTECHCQILNLGAGMDTTFWKLKDEGLLPNKYFEVDFPMIVTRKLLTIKSKPLLFR
 PIMELHPEDTLQMDSHMLDSKRYAIIIGADLRDLSEEEKLKKCNMNTQLPTLLITECVLVYMTPEQSANL
 LKWAASSFETAMFINYEQVNMDDRFQIMIENLRRRSCDLAGVETCKSLESQKERLLLNWETASAVNMM
 ELYSGLPRAEVNRIESLEFLDEMELEQLMRHYCLCWATRGGQELGLKEITY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025304

ORF Size: 996 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_025304.3](#), [NP_079580.2](#)

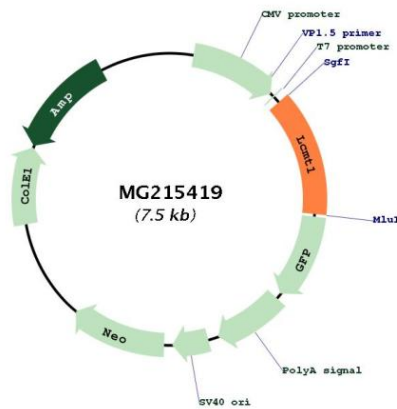
RefSeq Size: 1369 bp

RefSeq ORF: 999 bp

Locus ID: 30949

Cytogenetics: 7 F3

Product images:



Circular map for MG215419